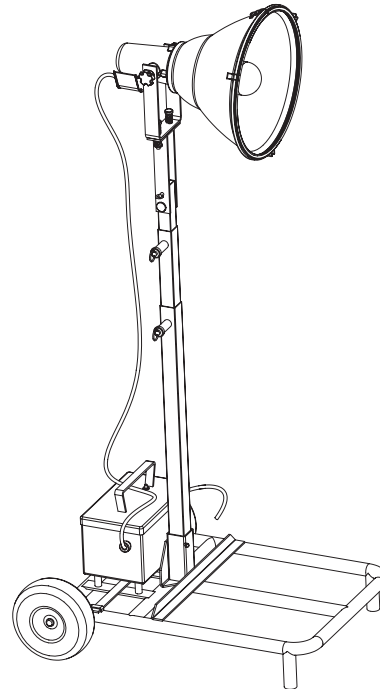




FSTL1 000

Endura Tower Light Operator's Manual



DO NOT operate this equipment until you have read and understood all the enclosed Operator's Manual.



READ ALL the sections in this manual PRIOR to attempting to service, maintain or operate this equipment.

Endura Warranty Statement

Uniquip Canada Inc. guarantees all Uniquip Endura Tower Lights to be free from any manufacturer's defects in material and workmanship for a period of **one (1) year** from the date of purchase. This warranty is exclusive of any normal wear and tear and/or consumable parts, such as the lamp, fuse, and wheels. All normal wear and tear and/or consumable parts are protected from manufacturer's defects in material and workmanship for a period of **thirty (30) days** from the date of purchase.

Endura Warranty Summary	Protection
1. Uniquip Endura Tower Light Unit	1 year parts and labour
2. Uniquip Endura normal wear and tear parts or consumable parts	30 days parts and labour

To make a warranty claim within this time period, please contact the Service Manager at Uniquip Canada Inc., 1-800-332-4012, who will advise the validity and claim procedure. Once the claim has been accepted by Uniquip Canada, the unit and parts should be shipped to Uniquip Canada or the specified Authorized Service Centre at the customer's expense. Be sure to securely pack the unit and parts in a strong container. **Damage in transit is not covered by this warranty.** All approved repairs under this warranty will be returned by Uniquip Canada free of charge.

Warranties expressed in this document are void if repairs are attempted by anyone other than an Authorized Service Centre or Uniquip Canada or if the unit has been modified from original factory design in any way. This warranty is expressly conditional upon the customer's compliance with all precautions and instructions contained in this manual and excludes any claims made as a result of abuse, neglect, accident, normal wear and tear and misuse. **This warranty is non-transferable.**

Uniquip Canada Inc.'s liability under warranty is limited to repair of the product and/or replacement of parts and is given to the purchaser in lieu of all other remedies including incidental and consequential charges. There are no expressed warranties other than those specified herein.

Endura Warranty Registration

Congratulations for choosing an Endura product to meet all your tough jobsite needs! Please file your original bill of purchase for this unit in a safe place. For warranty service of your Endura product, you will need to provide a copy of this document to confirm your warranty status.

Product registration is a key step toward enjoying your new Endura product! While registration is not necessary to enjoy our manufacturer's warranty, there are many benefits to participating in this program. Registration helps to facilitate warranty service, and notify you of any updates, changes, and service advisories on your product. Complete this Warranty Registration Card and fax it to 1-866-825-2221 or mail it to the address on the back of this card:

Warranty Registration Information

A. Ownership Information

Owner's Name:	
Company Name:	
Company Address:	
Company Telephone:	
Company Fax:	
Company E-Mail:	
Company Website:	

B. Machine Information

Machine Make:	
Machine Model #:	
Machine Serial #:	
Date of Purchase:	

C. Product Information Update

Can we contact you with any product-related news?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Who should we contact?	
Contact Telephone:	
Contact Fax:	
Contact E-Mail:	
What is the preferred contact method?	

FSTL1 000

Endura Tower Light Operator's Manual

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DO NOT operate this equipment until you have read and understood all the enclosed Operator's Manual.



READ ALL the sections in this manual **PRIOR** to attempting to service, maintain or operate this equipment.

Place
Stamp
Here

**Uniquip Canada Inc.
2437 Michelin
Laval QC
H7L 5B9**

ATTN: SERVICE DEPARTMENT

Pre-Operation Notes

Thank you for your purchase of the Uniquip Endura FSTL1000 Portable Tower Light. This tower light has been designed and manufactured to our highest quality demands for durability and performance.

Uniquip Canada Inc. is committed to offering durable products and quality after-market service. The FSTL1000 Portable Tower Light is warranted to be free from manufacturer's defects in material and workmanship for a period of **one (1) year** from the date of shipping as declared on the invoice from Uniquip Canada. This warranty will be void if the light tower has not been operated and maintained in the manner prescribed in this Operator's Manual.

In order for the tower light to perform at its optimum capabilities, the operator of the unit **must read** this manual **thoroughly before** using this unit. This Operator's Manual contains important product operation procedures, and safety precautions. **SAVE THIS MANUAL.** Please keep this manual nearby when operating the tower light as a reference should any questions arise.

This tower light is a high voltage electrical device. **DO NOT start this unit unless it is clear of water or water-filled areas. DO NOT use this tower light with non-grounded sockets. Use this light only with GFCI protected circuits. This product is designed for normal outdoor use.**

All jobsites are different. Please ensure that when installing this tower light in a jobsite, proper precautions have been taken to avoid any accidents, and to reduce the risk of fire, electric shock or personal injury.

Every care and effort has been made to ascertain the accuracy and completeness of procedures described in this document to ensure your enjoyment and satisfaction. If you have any questions or concerns, please contact the Service Department at Uniquip Canada at 1-800-332-4012.

Technical Support Hotline

Ontario, Western Canada, and USA	Quebec and Eastern Canada
T: 1-888-332-4012	T: 1-800-332-4012
F: 1-866-567-0956	F: 1-866-825-2221

email your technical questions and comments to:

service@uniquip.ca

visit our website:

www.uniquip.ca

Safety Precautions

1. **READ AND UNDERSTAND OPERATOR'S MANUAL PRIOR TO USE OF TOWER LIGHT.**
2. **THE LIGHTED LAMP IS HOT. DO NOT TOUCH LIGHT FIXTURE, REFLECTOR OR LENS DURING USE. WAIT FOR AT LEAST 10 MINUTES AFTER SHUT-DOWN TO BE IN CONTACT WITH LAMP.**
3. Make certain that the power source conforms to the requirements of your equipment. **NEVER ALTER THE PLUG.**
4. **DO NOT** plug pump into any **NON-GROUNDED** electrical outlet.
5. **DO NOT** attempt to remove ground stem on plug.
6. **USE ONLY** on GFCI protected circuits.
7. **MAKE SURE OPERATOR, CABLE, PLUG AND SOCKET ARE ALL DRY AND CLEAN. LIQUIDS AND ELECTRICITY DO NOT MIX. CHEMICALS AND ELECTRICITY DO NOT MIX.**
8. **DO NOT** operate where water may accumulate around base.
9. **DO NOT** submerge any portion of the FSTL-1000MH Tower Light in liquid.
10. Keep light **AT LEAST 16' FT AWAY** from pools and spas.
11. Keep light away from any flammable materials.
12. **DO NOT** perform any repairs or maintenance procedures on tower light unless it has been disconnected from any power source.
13. Use only Endura brand-name parts.
14. **ALL** frayed and/or otherwise damaged cords and components **MUST** be replaced before further use.
15. When using in windy and or other difficult weather conditions, set tower light up such that the wind is at the back of the fixture and apply the brake. Support with sand bags if necessary.
16. If light is extended higher than 6' ft, **anchor base to ground.**
17. Always ensure that tires are filled up at proper tire pressure.
18. Always set brake on tower light for transport or when tower light will be left unattended.
19. Never use any light bulbs larger than what the fixture is rated for.
20. **NEVER LOOK DIRECTLY INTO LIGHTED LAMP.**
21. **NEVER OPERATE THE FIXTURE WITHOUT SAFETY LENS.** If safety lens is broken, replace lens prior to operating fixture.
22. Keep fixture away from children.
23. **DANGER: HIGH VOLTAGE!**
24. Provide adequate protection and guarding of all movable parts.

SAVE THESE INSTRUCTIONS.

Guide to Machine Overview/Parts List

Regular maintenance and parts replacement are important steps to extending the life of your equipment and enjoying its optimum performance. When performing any maintenance or repair procedures, **always check with local authorities for by-laws and guidelines governing your jurisdiction.**

This guide aims to serve as a representational guide to the FSTL1000. **Any other uses or application beyond the scope of this document are strictly prohibited.** While every attempt has been made to maintain its accuracy, Uniquip Canada Inc. reserves the right to update and modify the equipment without prior notification. Prior to undertaking to perform any maintenance or repair procedures, please contact our Technical Support Hotline for clarification and to acquire appropriate parts.

To order spare parts, please provide the following information:

1. Machine Make
2. Model Number
3. Machine Serial Number
4. Quantity Required of Each Part
5. Part Numbers
6. Part Descriptions.

All Endura parts are guaranteed by a **thirty (30) day** warranty against any manufacturer's defects in workmanship and material. Consult page A in the Operator's Manual for further details on our Warranty Policy.

Technical Support Hotline

Ontario, Western Canada, and USA	Quebec and Eastern Canada
T : 1-888-332-4012	T : 1-800-332-4012
F : 1-866-567-0956	F : 1-866-825-2221

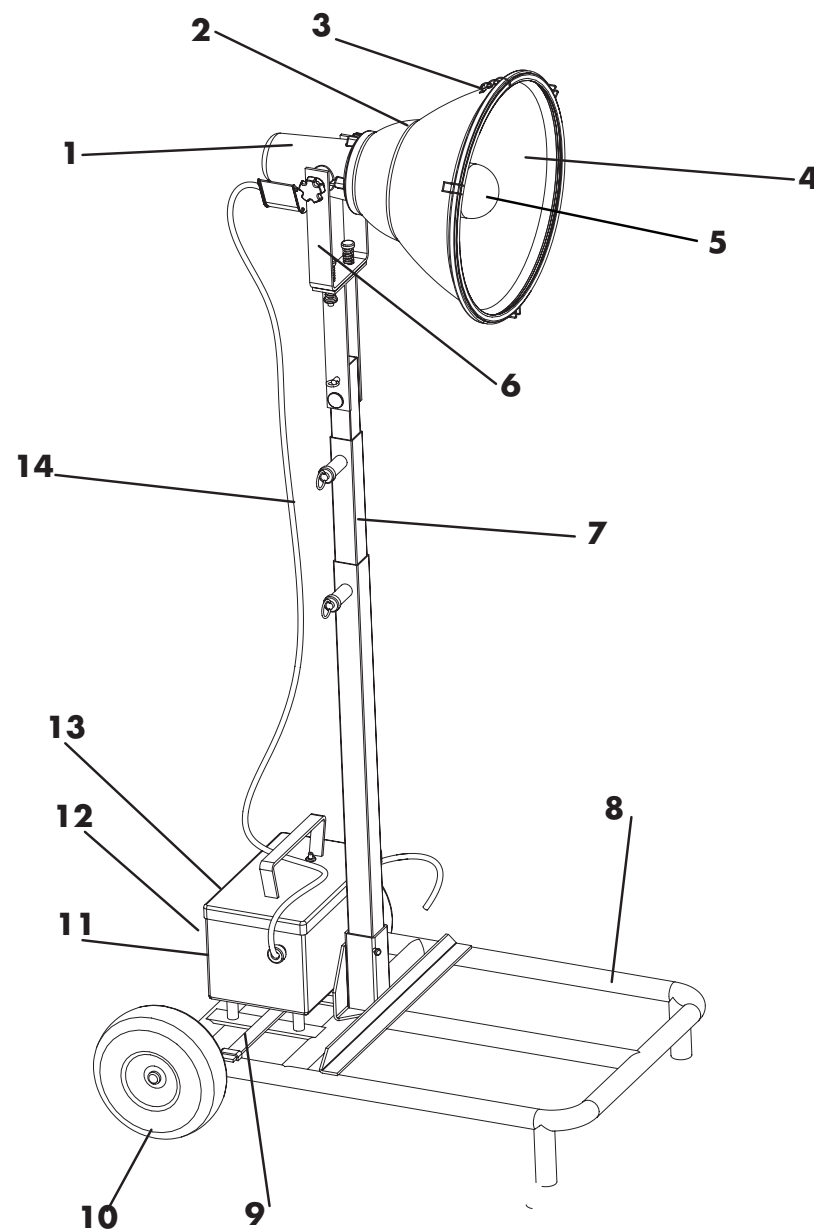
email your technical questions and comments to:

service@uniquip.ca

visit our website:

www.uniquip.ca

Machine Overview



Parts List

Legend	Part Number	Description
1	FSTL1000-01	Fixture
2	FSTL1000-02	Reflector
3	FSTL1000-03	Lens Clips
4	FSTL1000-LENS	Lens Kit
5	FSBD-BULB1000	1000 W Metal Halide Lamp
6	FSTL1000-06	U-Bracket
7	FSTL1000-07	Mast
8	FSTL1000-08	Cart
9	FSTL1000-BRAKE	Brake Kit
10	FSTL1000-10	Wheels
11	FSTL1000-11	Ballast (Not shown. See "Key Components Overview" for details.)
12	FSTL1000-12	Ballast Box
13	FSTL1000-13	Ballast Lid
14	FSTL1000-14	Cord

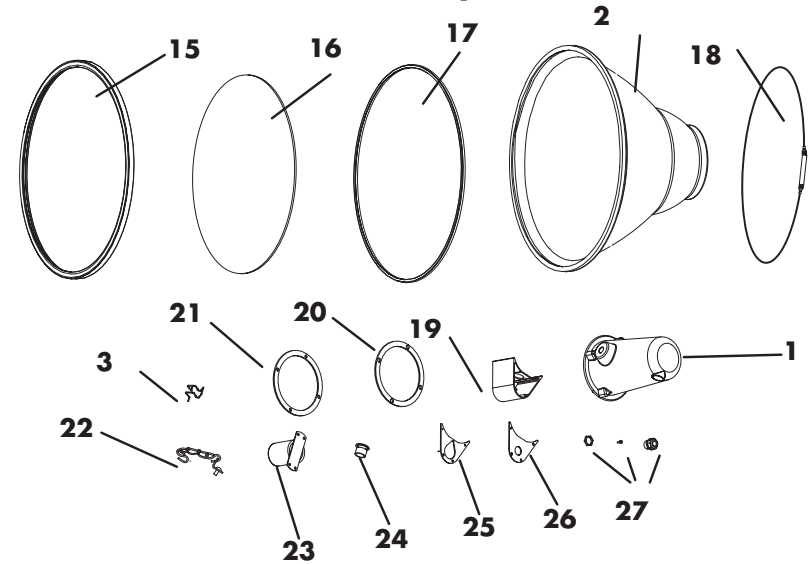
Many of the parts making up each section of the FSTL1000 Tower Light have been packaged into kits for your convenience! Refer to the "Key Components Overview" section for further details.

If you have any questions concerning the maintenance and operations of this unit, please do not hesitate to contact Uniquip Canada.

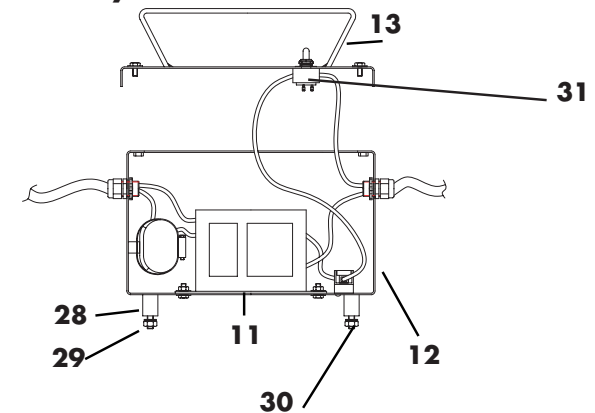
DO NOT attempt servicing or performing any maintenance procedures outlined in this manual unless technician is qualified and clear on the task's requirements.

Key Components Overview

A. Reflector and Lens Assembly



B. Ballast Assembly



Key Components Overview cont'd

A. Reflector and Lens Assembly

Legend	Part Number	Description
1	FSTL1000-01	Fixture
2	FSTL1000-02	Reflector
3	FSTL1000-03**	Lens Clip (available separately)
15	FSTL1000-15**	Lens Frame
16	FSTL1000-16**	Lens
17	FSTL1000-17**	Silicone Rubber Seal
18	FSTL1000-18**	Security Cable
19	FSTL1000-19	Components of Fixture FSTL1000-01
20	FSTL1000-20	
21	FSTL1000-21	
22	FSTL1000-22	
23	FSTL1000-23	
24	FSTL1000-24	
25	FSTL1000-25	Silicone Rubber Ring
26	FSTL1000-26	Metal Ring
27	FSTL1000-27**	Security Chain

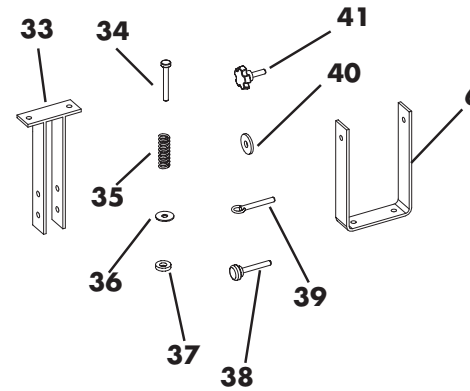
****Components of Lens Kit FSTL1000-LENS**

B. Ballast Assembly

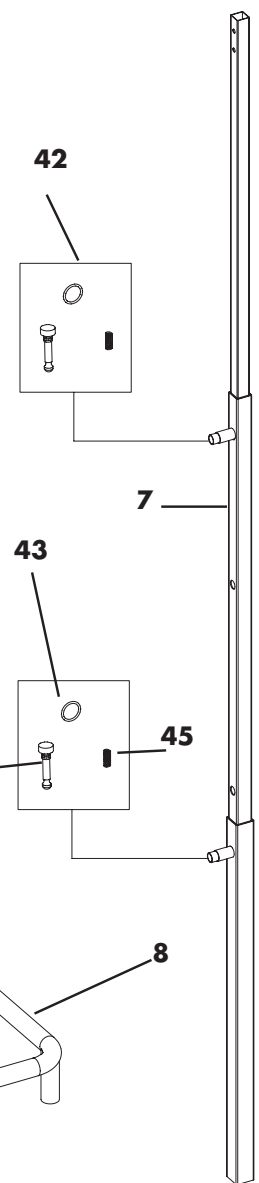
Legend	Part Number	Description
12	FSTL1000-12	Ballast Lid
13	FSTL1000-13	Ballast Box
28	FSTL1000-28	Rubber Supports
29	FSTL1000-29	Washer
30	FSTL1000-30	Feet
31	FSTL1000-31	Switch
32	FSTL1000-32	Fuse (not shown)

Key Components Overview cont'd

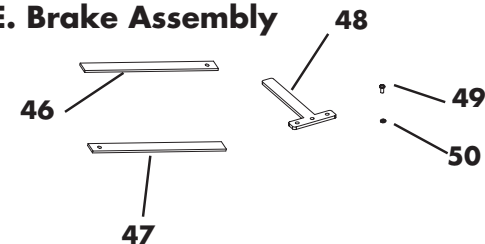
C. U-Bracket Kit



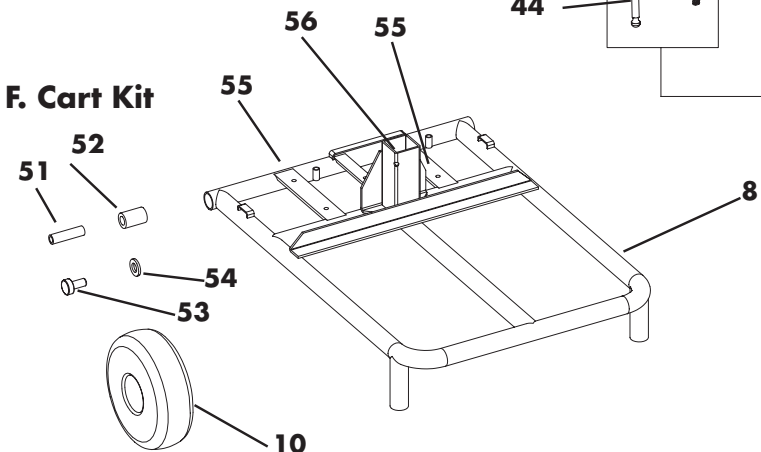
D. Mast



E. Brake Assembly



F. Cart Kit



Key Components Overview cont'd

C. U-Bracket Kit (FSTL1000-BRACKET)

Legend	Part Number	Description
6	FSTL1000-06	U-Bracket
33	FSTL1000-33	Bracket Mount
34	FSTL1000-34	Bolt
35	FSTL1000-35	Shock Absorber
36	FSTL1000-36	Washer
37	FSTL1000-37	Nut
38	FSTL1000-38	Bracket Pin (available separately)
39	FSTL1000-39	O-Pin (available separately)
40	FSTL1000-40	Washer
41	FSTL1000-41	Knob (available separately)

D. Mast Kit (FSTL1000-MAST)

Legend	Part Number	Description
7	FSTL1000-07	Mast
41	FSTL1000-APK	Adjustment Pin Kit (available separately)
**Components of Adjustment Pin Kit FSTL1000-APK		
42	FSTL1000-42**	Screw Cap
43	FSTL1000-43**	Adjustment Pin
44	FSTL1000-44**	Spring

E. Brake Kit (FSTL1000-BRAKE)

Legend	Part Number	Description
46	FSTL1000-46	Right Brake Arm
47	FSTL1000-47	Left Brake Arm
48	FSTL1000-48	Brake Handle
49	FSTL1000-49	Bolt
50	FSTL1000-50	Nut

Key Components Overview cont'd

F. Cart Kit (FSTL1000-CART)

Legend	Part Number	Description
8	FSTL1000-08	Cart
10	FSTL1000-10	Wheel (available separately)
51	FSTL1000-51	Outer Axle
52	FSTL1000-52	Inner Axle
53	FSTL1000-53	Axle Bolt
54	FSTL1000-54	Washer
55	FSTL1000-55	Ballast Support Beam
56	FSTL1000-56	Mast Support

Parts that are components of the following kits are not available separately unless otherwise stated:

FSTL1000-LENS : Lens Kit		FSTL1000-MAST : Mast Kit	
Part Number	Description	FSTL1000-07	Mast
FSTL1000-15	Lens Frame	FSTL1000-APK	Adjustment Pin Kit (available separately)
FSTL1000-16	Lens	FSTL1000-APK : Adjustment Pin Kit	
FSTL1000-17	Silicone Rubber Seal	FSTL1000-43	Screw Cap
FSTL1000-18	Security Cable	FSTL1000-44	Adjustment Pin
FSTL1000-27	Security Chain	FSTL1000-45	Spring
FSTL1000-BALLAST : Ballast Assembly		FSTL1000-BRAKE : Brake Kit	
FSTL1000-11	Ballast (available separately)	FSTL1000-46	Right Brake Arm
FSTL1000-12	Ballast Lid	FSTL1000-47	Left Brake Arm
FSTL1000-13	Ballast Box	FSTL1000-48	Brake Handle
FSTL1000-28	Rubber Supports	FSTL1000-49	Bolt
FSTL1000-29	Washer	FSTL1000-50	Nut
FSTL1000-30	Feet	FSTL1000-CART : Cart Kit	
FSTL1000-31	Switch (available separately)	FSTL1000-08	Cart
FSTL1000-32	Fuse (not shown) (available separately)	FSTL1000-10	Wheel (available separately)
FSTL1000-BRACKET : U-Bracket Kit		FSTL1000-51	Outer Axle
FSTL1000-06	U-Bracket	FSTL1000-52	Inner Axle
FSTL1000-33	Bracket Mount	FSTL1000-53	Axle Bolt
FSTL1000-34	Bolt	FSTL1000-54	Washer
FSTL1000-35	Shock Absorber	FSTL1000-55	Ballast Support Beam
FSTL1000-36	Washer	FSTL1000-56	Mast Support
FSTL1000-37	Nut		
FSTL1000-38	Bracket Pin (available separately)		
FSTL1000-39	O-Pin (available separately)		
FSTL1000-40	Washer		
FSTL1000-41	Knob (available separately)		

Contents List



Prior to setting up the FSTL1000 Tower Light, check that the following items are enclosed:

Item	Quantity	Check if enclosed
Ballast Assembly	1	___ Yes ___ No
Cart Kit	1	___ Yes ___ No
Lens Kit	1	___ Yes ___ No
Reflector	1	___ Yes ___ No
Fixture	1	___ Yes ___ No
1000 W Metal Halide Lamp	1	___ Yes ___ No
Mast Kit	1	___ Yes ___ No
Metal Ring	1	___ Yes ___ No
Rubber Ring	1	___ Yes ___ No
Package of Bolts and Washers	1	___ Yes ___ No
Uniquip Endura FSTL1000 Tower Light Operator's Manual	1	___ Yes ___ No

If any of these items are missing, please contact 1-800-332-4012 and ask for the Service Manager at Uniquip Canada Inc. at once.

DO NOT ATTEMPT ASSEMBLY OR OPERATION WITHOUT ANY OF THESE LISTED PARTS!

Technical Support Hotline

Ontario,
Western Canada, and USA
T : 1-888-332-4012
F : 1-866-567-0956

Quebec
and Eastern Canada
T : 1-800-332-4012
F : 1-866-825-2221

email your technical questions and comments to:

service@uniquip.ca

visit our website:

www.uniquip.ca

Setting up the FSTL1000

1. Place Ballast Assembly on floor. Tilt it such that the base of the assembly faces the operator. Remove and put aside washers from metal feet and brake. Keep rubber supports on metal feet. (Figure 1)



Figure 1.

2. Flip cart over ballast box and line up ballast support bars to metal feet. Tighten ballast to cart with washers from metal feet and brake. (Figure 2)



Figure 2.

4. Place rubber ring on fixture. Make sure that the ring is correctly aligned to markers on fixture. (Figure 4)



Figure 4.

3. Turn cart and ballast back to its proper position. Undo mast lock on mast support. Insert mast into mast support and tighten mast lock to hold the mast in place. (Figure 3)



Figure 3.

5. Line up reflector to holes on rubber ring and the markers on the fixture. Place metal ring on top of the reflector, again making sure that its holes are lined up with the reflector and fixture. Check that the security chain hangs on the bottom of the reflector. Bolt down assembly to fixture with 4 bolts and washers. (Figure 5)



Figure 5.

6. Place reflector on flat surface with the fixture side up. Remove U-Bracket kit, 2 large knobs, 1 smaller knob, 2 O-pins and 2 washers from package. Line up U-Bracket to fixture such that the holes on each side of the bracket line up with holed on the sides of the fixture. Attach bracket to fixture with 2 large knobs and washers. (Figure 6)



Figure 6.

Setting up the FSTL1000 cont'd



Figure 7.

7. Slide bracket and fixture onto mast. Insert 3 pins into holes to attach fixture to mast. (Figure 7)

9. Unwind security cable and hook it onto lens clips. Secure cable with spring. (Figure 9)



Figure 9.

10. Move Tower Light to desired area with level surface. Set brake for extra stability.

8. Unpack Lens Kit and attach security chain on reflector to lens. Let lens hang from reflector and screw in 1000 W metal halide lamp into fixture. Clip lens onto fixture. (Figure 8)



Figure 8.

Technical Support Hotline

Ontario,
Western Canada, and USA
T: 1-888-332-4012
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Quebec
and Eastern Canada
T: 1-800-332-4012
F: 1-866-825-2221

email your technical questions and comments to:

service@uniquip.ca

visit our website:

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Pre-Operation Procedures

Before using the Endura FSTL1000 Tower Light, please perform the following procedures for the personal and property safety of the operator and jobsite.

1. Before operating the light ensure that it is **structurally** and **mechanically** safe by checking the following:
 - a. Inspect that all the sections of the Tower Light are properly installed as per the guidelines in the section "Setting up the FSTL1000".
 - i. Is the mast securely bolted into the mast support?
 - ii. Is the floor brake being used for further stability and to hold the light in position?
 - iii. Are the wheels properly inflated?
 - iv. Is the lens secured clipped and chained to the reflector?
 - v. Is the cable worn, fouled or in any other conditions that would prevent the light from safe operation?



CONTINUED USE OF FRAYED OR DAMAGED CABLE CAN RESULT IN PROPERTY DAMAGE AND/OR SEVERELY INJURING THE OPERATOR.

2. Before using the light on proposed jobsite, perform the following **environmental** checks:
 - a. Check that available electrical outlets conform to local codes.
 - b. Run light only on GFCI protected circuits.
 - c. If the proposed jobsite is on an incline, counterbalance light with weights to ensure stability.
 - d. Keep the light **at least 16' feet away** from any pools or spas.
 - e. Keep the lamp away from any flammable materials.

If any of the above check fail, please DO NOT operate the light.

Operation Procedures

1. Plug cord into any 15 amps or greater 120 volt 60 Hz power source.
2. Turn tower light on. As the light bulb is being energized, there will be a slight humming noise issuing from the ballast.
3. Should there be any interruption in the power to the tower light, it will require approximately 20 minutes to re-power the light bulb. **Always switch light OFF before re-powering the unit.**
4. To adjust the fixture bracket and light head, pull pin, raise bracket to the vertical position and slide pin back in place.
5. When adjusting the light fixture, always make sure that the fixture is **COOL** before adjusting. Aim the fixture approximately 15° above desired level. Tighten knobs lightly to hold fixture in place, then pull fixture down to desired level. Completely tighten knobs to secure fixture.
6. To **raise** the telescopic mast, grasp upper-mast firmly and raise the post until the safety lock is engaged. To further extend the mast, repeat with second mast section.
7. To **lower** the telescopic mast, pull on safety lock while grasping raised mast with one hand and raising it slightly. **SLOWLY** lower mast. **DO NOT DROP MAST.**

SAVE THESE INSTRUCTIONS!!

Notes

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Notes**Technical Support Hotline**

Ontario,
Western Canada, and USA
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Quebec
and Eastern Canada
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FSTL1000-08: Cart Wheel Base



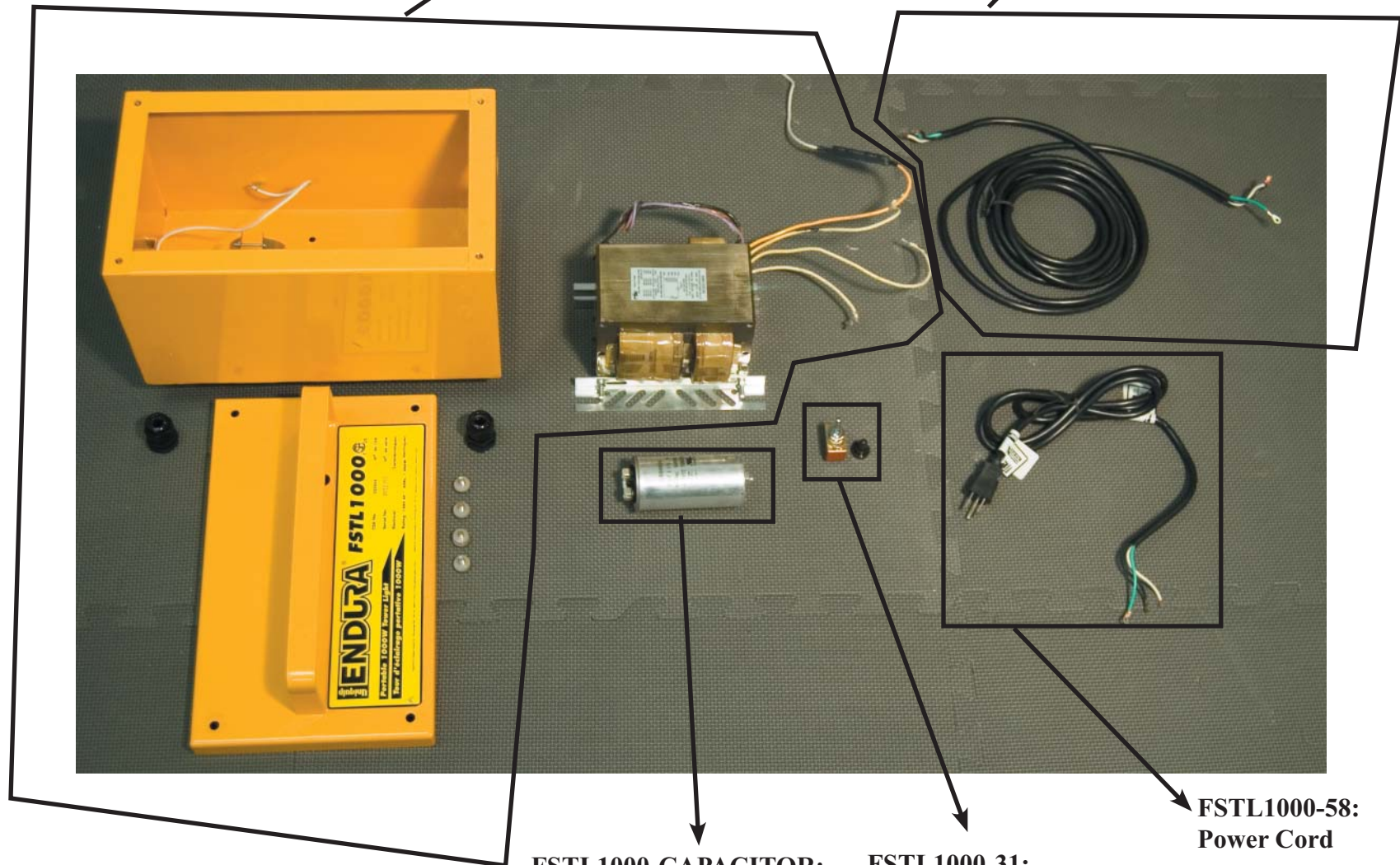
FSTL1000-41: Cart Wheel Base

**FSTL1000-10:
Wheel (with bolt and washer)**

FSTL1000-BRAKE: Brake Kit

FSTL1000-BALLAST:
Ballast Assembly

FSTL1000-14:
4m Electrical Connection Cord



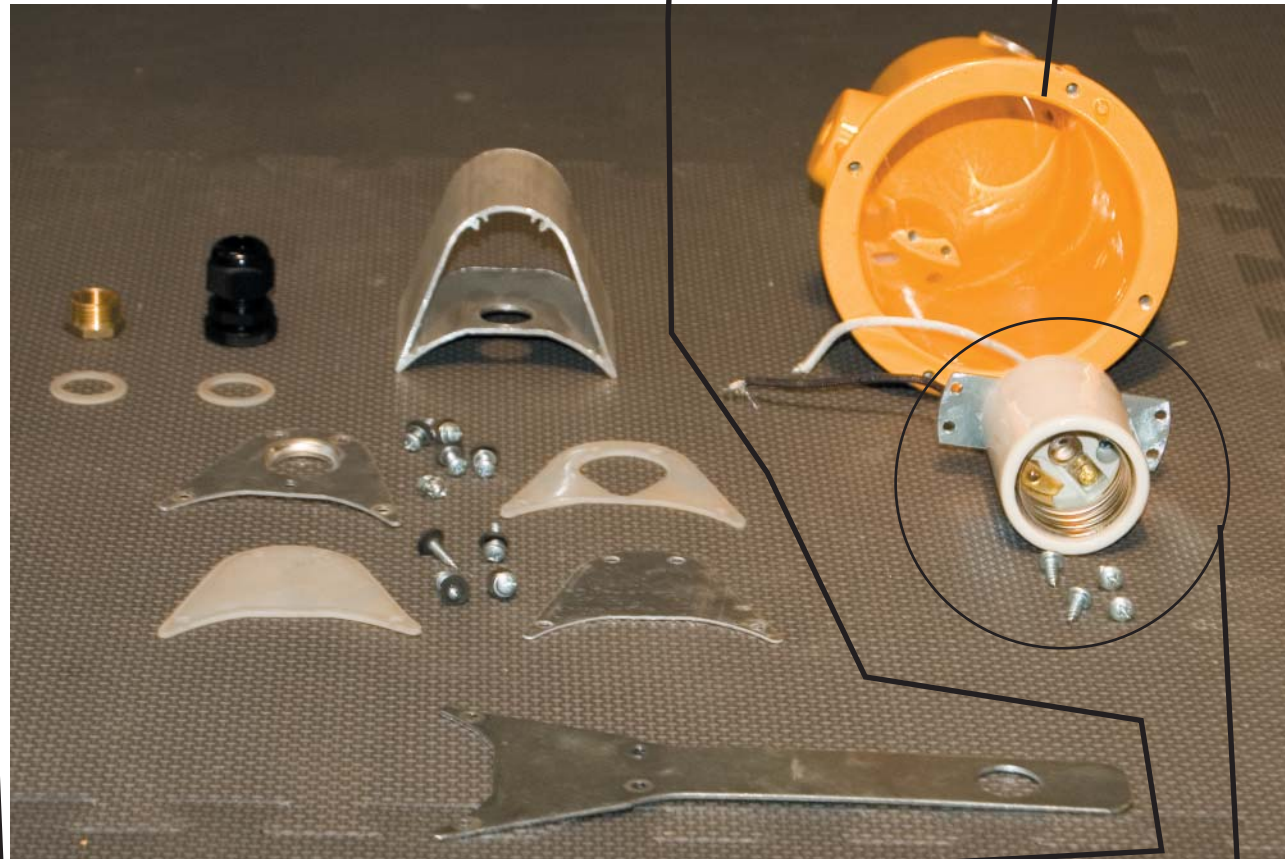
FSTL1000-CAPACITOR:
Capacitor

FSTL1000-31:
Electrical Switch (includes boot
and ON/OFF plate)

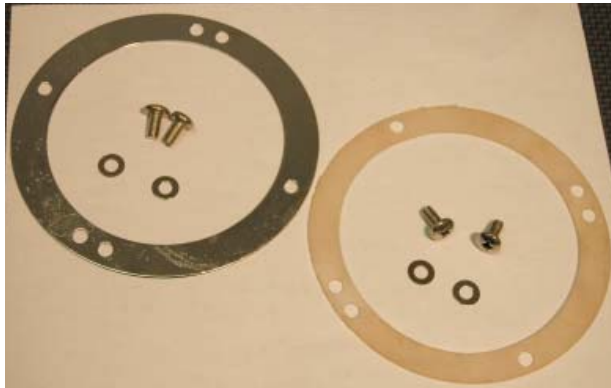
FSTL1000-58:
Power Cord

FSTL1000-01: Fixture Casing

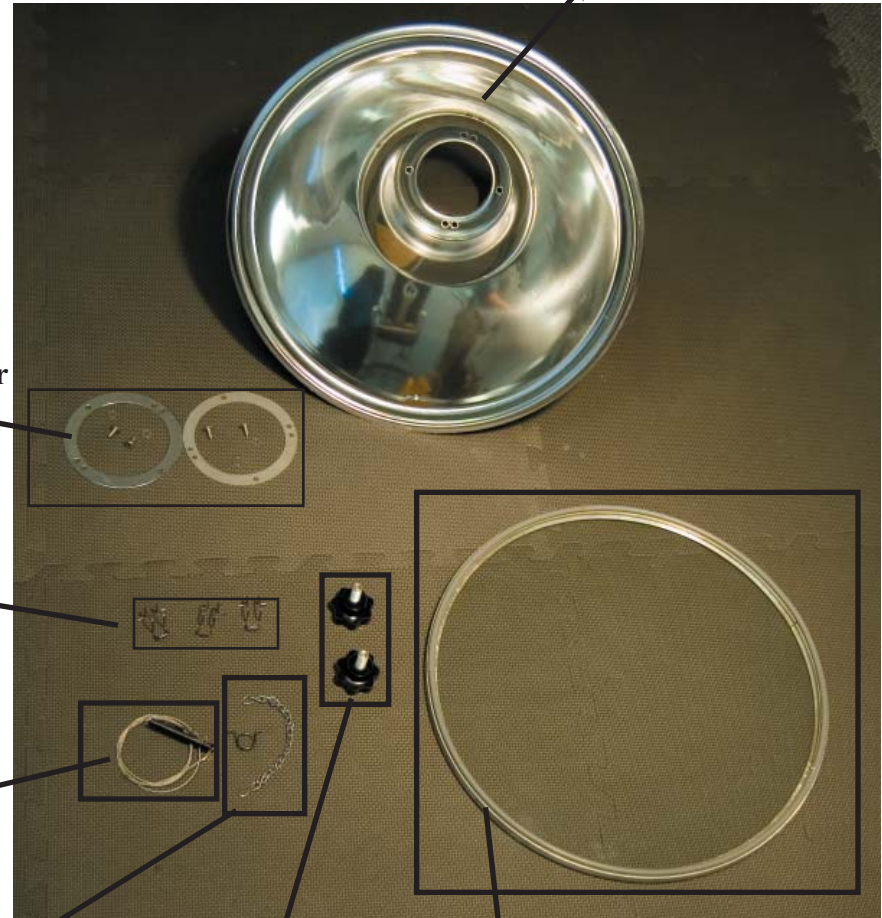
**FSTL1000-01A:
Electrical Components
for Fixture**



FSTL1000-23: Ceramic Element



FSTL1000-02A:
Spacer Kit for Reflector



FSTL1000-02: Reflector



FSTL1000-03:
Lens Clip (sold individually)



FSTL1000-18:
Security Cable

FSTL1000-27:
Safety Chain & Clip



FSTL1000-41:
Knobs

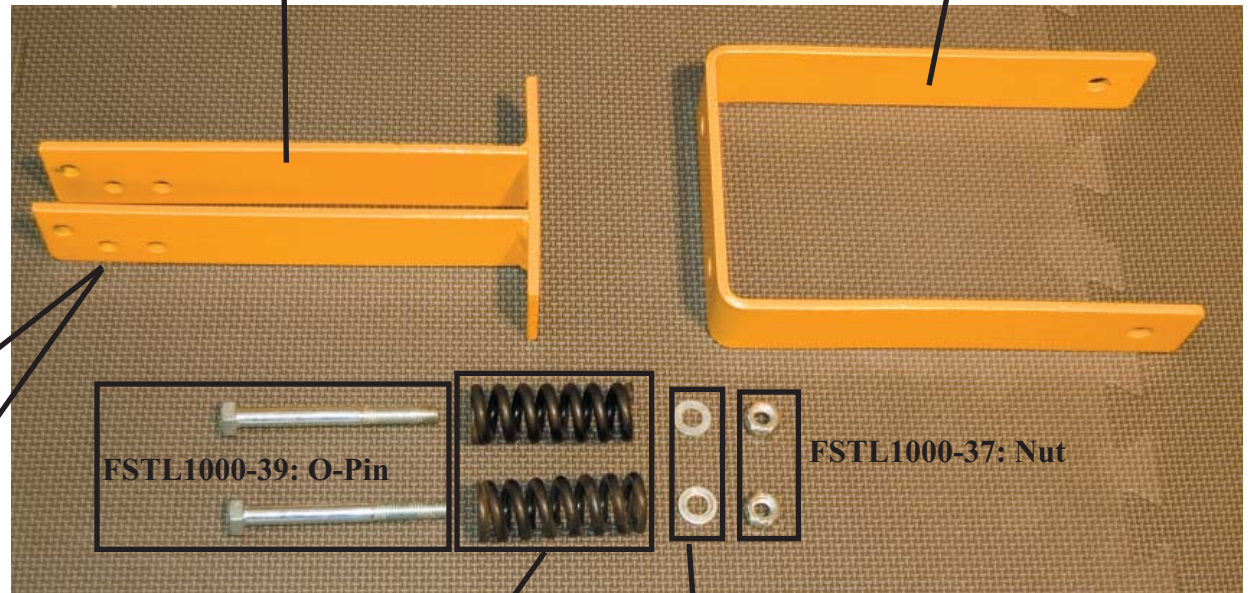


FSTL1000-LENS:
Complete Lens Kit (Includes glass
lens, silicone ring & aluminum frame)



**FSTL1000-33:
Bracket Mount**

**FSTL1000-06:
U-Bracket**



**FSTL1000-38:
Bracket Pin**



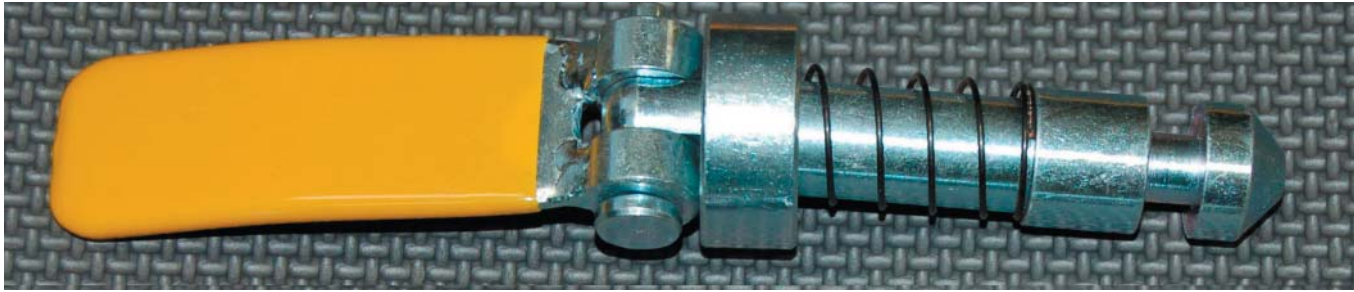
**FSTL1000-39:
O-Pin**



**FSTL1000-35:
Shock Absorber
(sold individually)**

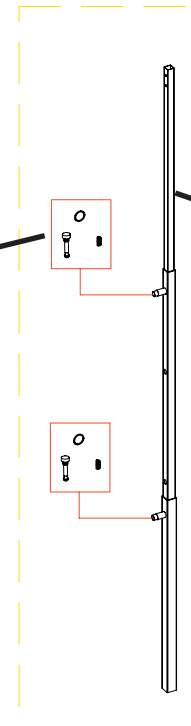
FSTL1000-36: Washer

FSTL1000-37: Nut



FSTL1000-APK-Y:
Mast Adjustment Pin for
FSTL1000Y ONLY

FSTL1000-APK:
Mast Adjustment Pin for
FSTL1000 ONLY



FSTL1000-07:
Mast for FSTL1000 ONLY

FSTL1000-07-Y:
Mast for FSTL1000Y ONLY